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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	M. Diab) Group Art Unit 3736
Appl. No.	:	09/471,510)
Filed	:	December 23, 1999) I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: United States Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202, on
For	:	PLETHYSMOGRAPH PULSE RECOGNITION PROCESSOR) <u>April 11, 2002</u> (Date)
Examiner	:	M. Kremer) <u>Stephen C. Jensen</u> Stephen C. Jensen, Reg. No. 35,556

AMENDMENT AND RESPONSE

United States Patent and Trademark Office
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Dear Sir:

In response to the Office Action dated February 13, 2002, Applicant respectfully submits the following amendments and comments.

IN THE CLAIMS:

Please amend the claims as follows:

Please cancel Claims 1, 5-7, 10, 12 and 15 without prejudice.

Please enter amendment
1. (Amended) A processor having a plethysmograph waveform input resulting from light attenuated by body tissue with pulsing blood and a pulse recognition output providing information regarding pulses within said waveform input, said processor comprising:

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a candidate pulse portion that determines a plurality of potential pulses within said waveform input;

a physiological model portion that determines the physiologically acceptable ones of said pulses; and

a portion that determines statistics of pulses with said waveform input.

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